

CLAIMS

1. A scaffold apparatus for conducting operations on an inner wall surface of a tower structure, comprising either a single post or a plurality of posts (16) put up inside a tower structure (1), from a bottom section thereof toward a top section, and a height adjustable operations platform (8) that is attached in a manner that enables free up or down movement along said posts (16).

2. The scaffold apparatus for conducting operations on an inner wall surface of a tower structure according to claim 1, wherein said posts (16) are assembled by sequentially stacking and connecting a plurality of posts pieces (16a), which are of dimensions that enable transport through a materials transport port (36) provided in said tower structure (1), from the bottom section (1a) of said tower structure (1) toward the top section (1b).

3. The scaffold apparatus for conducting operations on an inner wall surface of a tower structure according to claim 1 or claim 2, wherein a bottom end of each post (16) is supported by a lower support base (6), which is secured immediately above a tower bottom section (3) via securing pieces (45) provided on a side wall (1c) of said tower structure (1) immediately above said tower bottom section (3).

4. The scaffold apparatus for conducting operations on an inner wall surface of a tower structure according to claim 1, wherein said height adjustable operations platform (8) is

a knockdown structure that is capable of being transported through a materials transport port (36) provided in said tower structure (1).

5 5. The scaffold apparatus for conducting operations on an inner wall surface of a tower structure according to claim 4, wherein said height adjustable operations platform (8) is equipped with elevation drive means (30), which enables said platform to be raised and lowered under its own power, and an external periphery of said height adjustable operations
10 platform (8) is equipped with a guide wheel unit (9) that is provided with a wheel (10), which is capable of being displaced freely toward, and away from, an inner wall surface (1d) of said tower structure (1) and is held in continuous contact with said inner wall surface (1d) by a predetermined pressure.

15 6. An operational method for an inner wall surface of a tower structure, comprising the steps of: loading a person and/or an operating material onto a height adjustable operations platform (8), which is attached to a single post or a plurality of posts (16) put up inside a tower structure (1) from a bottom
20 section thereof toward a top section in a manner that enables free up or down movement along said posts (16); and adjusting an operating height by moving said platform up and down along said posts (16), while performing required operations on an inner wall surface (1d) of said tower structure (1).